

# DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

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## OFFICE OF DESIGN POLICY & SUPPORT INTERDEPARTMENTAL CORRESPONDENCE

**FILE** P.I. #632885-

BRST0-0001-06(047)

GDOT District 6 - Cartersville

Catoosa County

SR 3/US 41 @ Tiger Creek east of Ringgold.

**OFFICE** Design Policy & Support

**DATE** February 1, 2011

**FROM**  for Brent Story, State Design Policy Engineer

**TO** SEE DISTRIBUTION

**SUBJECT** APPROVED LOCATION & DESIGN REPORT

Attached is the approved Location and Design Report with Notice of Location & Design Approval for the above subject project.

Attachment

**DISTRIBUTION:**

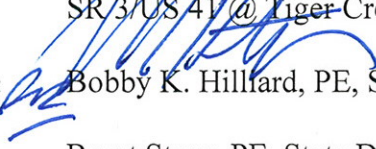
Genetha Rice-Singleton, Program Control Administrator  
Ron Wishon, State Project Review Engineer  
Phil Copeland, State Right-of-Way Administrator  
Glenn Bowman, State Environmental Administrator  
Bobby Hilliard, State Program Delivery Engineer  
Kathy Zahul, State Traffic Engineer  
Cindy VanDyke, State Transportation Planning Administrator  
Ben Rabun, State Bridge Engineer  
Angela Robinson, Financial Management Administrator  
Kent Sager, District Engineer  
DeWayne Comer, District Preconstruction Engineer  
Greg Hood, District Planning & Programming Engineer  
Devon Brooks, Area Engineer - D6, A3  
Krystal Stovall Dixon, Project Manager  
BOARD MEMBER - 9th Congressional District

# DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

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## INTERDEPARTMENT CORRESPONDENCE

FILE: BRST0-0001-06(047), Catoosa County OFFICE: Program Delivery  
P.I. No. 632885-  
SR 3/US 41 @ Tiger Creek 1.9 Miles East of Ringgold DATE: 1/18/2011

FROM:  Bobby K. Hilliard, PE, State Program Delivery Engineer

TO: Brent Story, PE, State Design Policy Engineer  
Attn: Dave Peters, PE

SUBJECT: Request for Location and Design Approval

**Description and Project Proposal:** This project is the proposed bridge replacement on SR3/US 41 over Tiger creek 1.9 miles east of Ringgold in Catoosa County. The beginning mile post would be 3.06 and the ending mile post would be 3.46. The project would have a total length of 2700 linear feet with the existing bridge located near the center of the project. SR 3/US 41 is currently signed at 55 mph. The existing bridge has a length of 194'. The replacement bridge would have an approximate length of 250'. The alignment would shift to the west to maintain the minimum radius for a 55 mph design speed. The relocated SR 3/US 41 would consist of one, 12-foot through lane in each direction with a 10-foot shoulder, 4-foot paved and 6-foot grassed.

**Concept Approval Date:** March 5, 2007

**Concept Update:** The shoulder design has been modified to accommodate State Bike Route #35. The proposed shoulders would be 10-foot bicycle accommodating shoulders (6.5-foot paved and 3.5-foot grassed). The original concept report cover letter/executive summary had a typographical error that stated the shoulder dimension would be 10-foot with 2-foot paved.

**Environmental Document Type, Approval Date and Reevaluations:** The Categorical Exclusion (CE) was approved on January 7, 2011. No reevaluations have been conducted.

**Public Involvement:** Neither a PHOH nor PIOH was held. A meeting was held on November 8, 2010, with the property owners whose businesses require relocation. The property owners expressed agreement that the bridge needed to be replaced.

**Consistency with Approved Planning:** The design description as presented herein and submitted for approval is consistent with the approved Concept Report.

**Recommendations:** It is recommended that the location and design for the project be approved and that the attached Notice be approved for advertising.

RECOMMEND:

*James B. Burk*  
Director of Engineering

APPROVE:

*Deborah*

Chief Engineer

*1/27/11*

Date

DATE OF LOCATION AND DESIGN APPROVAL:

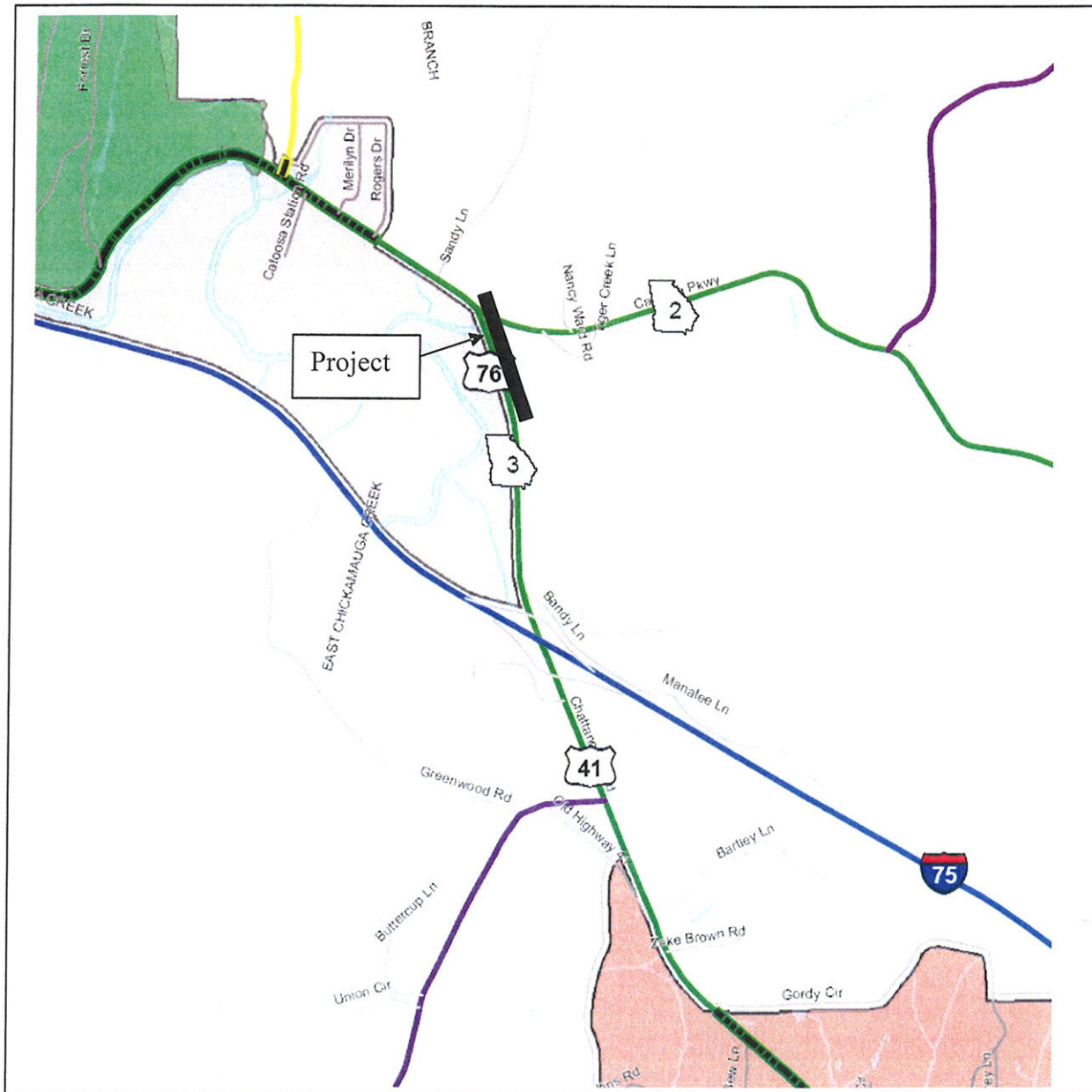
*Feb 1, 2011*

(To be entered by the State Conceptual  
Design Group Manager)

Attachments:

- Sketch Map
- Cost Estimate
- Notice of Location and Design Approval

## SKETCH MAP



### Approved Cost Estimate:

Activity	Amount	Date
Construction	\$2,668,938.00	6/30/2010
Right of Way	\$986,500.01	11/1/2010
Utilities	\$672,700.00	6/30/2010



## DETAILED COST ESTIMATE

JOB NUMBER: 632885-

FED/STATE PROJECT NUMBER BRSTO-0001-06(047)

SPEC YEAR: 01

ENGINEERING AND INSPECTION:

DESCRIPTION: SR 3/US 41 @ TIGER CREEK 1.9 MILES EAST OF RINGGOLD

## ITEMS FOR JOB 632885-

## 0010 - ROADWAY

LINE	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0326	109-0100	1.000	*\$*	\$14,724.91	PRICE ADJ - UNLEADED FUEL	\$14,724.91
0321	109-0200	1.000	*\$*	\$48,442.99	PRICE ADJ - DIESEL FUEL	\$48,442.99
0331	109-0300	1.000	*\$*	\$131,285.08	PRICE ADJ - ASPHALT CEMENT	\$131,285.08
0005	150-1000	1.000	LS	\$100,000.00	TRAFFIC CONTROL - 632885	\$100,000.00
0010	210-0100	1.000	LS	\$230,000.00	GRADING COMPLETE - 632885	\$230,000.00
0015	310-1101	6018.000	TN	\$18.23	OR AGGR BASE CRS, INCL MATL	\$109,735.70
0020	402-3110	967.000	TN	\$80.55	RECYL ASPH 9.5 MM SP, GP10R2, INCL B M & HL	\$77,890.77
0030	402-3121	3745.000	TN	\$61.92	RECYL AC 25MM SP, GP1/2, BM&HL	\$231,876.81
0025	402-3130	63.000	TN	\$89.72	RECYL AC 12.5MM SP, GP2, BM&HL	\$5,652.23
0035	402-3190	1124.000	TN	\$67.81	RECYL AC 19 MM SP, GP 1 OR 2, INC BM&HL	\$76,221.72
0040	413-1000	1205.000	GL	\$2.22	BITUM TACK COAT	\$2,677.61
0045	432-5010	405.000	SY	\$7.18	MILL ASPH CONC PVMT, VARB DEPTH	\$2,906.98
0050	441-0014	86.000	SY	\$27.74	DRIVEWAY CONCRETE, 4 IN TK	\$2,385.37
0054	441-4020	161.000	SY	\$33.60	CONC VALLEY GUTTER, 6 IN	\$5,410.02
0055	620-0100	2764.000	LF	\$30.63	TEMP BARRIER, METHOD NO. 1	\$84,655.60
0060	641-1100	120.000	LF	\$51.30	GUARDRAIL, TP T	\$6,155.90
0065	641-1200	1862.000	LF	\$15.10	GUARDRAIL, TP W	\$28,124.93
0070	641-5001	7.000	EA	\$628.62	GUARDRAIL ANCHORAGE, TP 1	\$4,400.31
0075	641-5012	3.000	EA	\$1,754.50	GUARDRAIL ANCHORAGE, TP 12	\$5,263.50
Total for ROADWAY						\$1,167,810.43

## 0020 - DRAINAGE

LINE	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0080	441-0301	4.000	EA	\$1,144.48	CONC SPILLWAY, TP 1	\$4,577.92
0085	441-0303	10.000	EA	\$1,809.42	CONC SPILLWAY, TP 3	\$18,094.19
0090	441-0600	1.000	CY	\$962.50	CONC HEADWALLS	\$962.50
0095	500-3101	1.000	CY	\$366.17	CLASS A CONCRETE	\$366.17
0100	550-1420	120.000	LF	\$77.21	STM DR PIPE 42", H 1-10	\$9,265.52
0105	550-2180	360.000	LF	\$27.31	SIDE DR PIPE 18", H 1-10	\$9,831.33
0109	550-3618	12.000	EA	\$578.29	SAFETY END SECTION 18", SD, 6:1	\$6,939.45
0110	576-1018	144.000	LF	\$34.26	SLOPE DRAIN PIPE, 18 IN	\$4,934.04
0118	603-2182	1337.000	SY	\$36.87	STN DUMPED RIP RAP, TP 3, 24"	\$49,298.29
0119	603-7000	1337.000	SY	\$3.73	PLASTIC FILTER FABRIC	\$4,982.97
0115	668-2100	1.000	EA	\$1,724.25	DROP INLET, GP 1	\$1,724.25
Total for DRAINAGE						\$110,976.63

## 0030 - SIGNING AND MARKING

LINE	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0204	163-0501	1.000	EA	\$807.47	CONSTR AND REMOVE SILT CONTROL GATE, TP 1	\$807.47
0120	636-1020	180.000	SF	\$13.96	HWY SGN, TP1MAT, REFL SH TP3	\$2,511.95
0125	636-1033	77.000	SF	\$19.53	HWY SIGNS, TP1MAT, REFL SH TP 9	\$1,504.10
0135	636-2070	525.000	LF	\$7.32	GALV STEEL POSTS, TP 7	\$3,843.62
0140	652-0120	5.000	EA	\$41.70	PAVEMENT MARKING, ARROW, TP 2	\$208.48
0145	653-1501	4944.000	LF	\$0.41	THERMO SOLID TRAF ST 5 IN, WHI	\$2,036.14
0150	653-1502	4800.000	LF	\$0.42	THERMO SOLID TRAF ST, 5 IN YEL	\$1,996.03

## DETAILED COST ESTIMATE

LINE	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0155	653-1704	12.000	LF	\$4.56	THERM SOLID TRAF STRIPE, 24", WH	\$54.66
0160	653-3501	212.000	GLF	\$0.38	THERMO SKIP TRAF ST, 5 IN, WHI	\$79.80
0165	653-6004	38.000	SY	\$3.46	THERM TRAF STRIPING, WHITE	\$131.60
0170	654-1001	68.000	EA	\$4.70	RAISED PVMT MARKERS TP 1	\$319.43
0175	654-1003	16.000	EA	\$5.20	RAISED PVMT MARKERS TP 3	\$83.17
0180	657-1054	520.000	LF	\$4.33	PRF PL SD PVMT MKG, 5", WH, TP PB	\$2,253.43
0185	657-6054	520.000	LF	\$4.55	PRF PL SD PVMT MKG, 5", YW, TP PB	\$2,368.12
<b>Total for SIGNING AND MARKING</b>						<b>\$18,197.80</b>

**0040 - EROSION CONTROL**

LINE	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0190	163-0232	3.000	AC	\$614.29	TEMPORARY GRASSING	\$1,842.88
0195	163-0240	70.000	TN	\$187.13	MULCH	\$13,098.97
0200	163-0300	2.000	EA	\$1,077.36	CONSTRUCTION EXIT	\$2,154.71
0205	163-0522	35.000	EA	\$66.57	CONSTR AND REM TEMP DCH CK - TP A SLT FN	\$2,329.93
0210	163-0529	1228.000	LF	\$3.08	CNST/REM TEMP SED BAR OR BLD STRW CK DM	\$3,782.84
0215	163-0550	8.000	EA	\$145.30	CONS & REM INLET SEDIMENT TRAP	\$1,162.40
0220	165-0010	567.000	LF	\$0.74	MAINT OF TEMP SILT FENCE, TP A	\$417.73
0225	165-0030	3814.000	LF	\$0.77	MAINT OF TEMP SILT FENCE, TP C	\$2,926.75
0230	165-0040	35.000	EA	\$38.14	MAINT OF EROSION CTRL CHKDAMS/DITCH CHKS	\$1,334.98
0235	165-0070	1228.000	LF	\$1.37	MAINT OF BALED STRAW EROSION CHECK	\$1,678.18
0239	165-0085	1.000	EA	\$198.58	MAINT OF SILT CONTROL GATE, TP 1	\$198.58
0240	165-0101	2.000	EA	\$584.23	MAINT OF CONST EXIT	\$1,168.46
0245	165-0105	8.000	EA	\$51.84	MAINT OF INLET SEDIMENT TRAP	\$413.09
0250	167-1000	24.000	EA	\$460.67	WATER QUALITY MONITORING AND SAMPLING	\$11,056.14
0255	167-1500	12.000	MO	\$399.26	WATER QUALITY INSPECTIONS	\$4,791.16
0259	170-1000	257.000	LF	\$12.44	FLOAT SILT RETENTION BARRIER	\$3,197.90
0260	171-0010	567.000	LF	\$1.88	TEMPORARY SILT FENCE, TYPE A	\$1,064.40
0265	171-0030	3814.000	LF	\$2.55	TEMPORARY SILT FENCE, TYPE C	\$9,707.09
0270	500-2100	180.000	LF	\$43.72	CONCRETE BARRIER	\$6,994.65
0278	603-6006	118.000	SY	\$132.02	SAND-CEMENT BAG RIP RAP, 6 IN	\$15,578.19
0279	643-8200	658.000	LF	\$1.28	BARRIER FENCE (ORANGE), 4 FT	\$839.75
0280	700-6910	5.000	AC	\$608.93	PERMANENT GRASSING	\$3,044.67
0281	700-7000	23.000	TN	\$87.03	AGRICULTURAL LIME	\$2,001.61
0286	700-7010	19.000	GL	\$20.51	LIQUID LIME	\$389.69
0291	700-8000	8.000	TN	\$432.57	FERTILIZER MIXED GRADE	\$3,460.53
0296	700-8100	250.000	LB	\$2.08	FERTILIZER NITROGEN CONTENT	\$518.95
0301	716-1000	1180.000	SY	\$1.96	EROSION CONTROL MATS, WATERWAYS	\$2,272.94
0306	716-2000	6264.000	SY	\$0.92	EROSION CONTROL MATS, SLOPES	\$5,735.57
<b>Total for EROSION CONTROL</b>						<b>\$103,162.74</b>

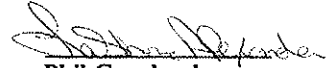
**0050 - BRIDGE**

LINE	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0310	433-1000	315.000	SY	\$155.73	REINF CONC APPROACH SLAB	\$49,055.55
0311	505-1100	11000.000	SF	\$100.00	COMP. STL GRID DECK W/ PRE. CONC. SLAB	\$1,100,000.00
0316	540-1101	1.000	LS	\$100,000.00	REM OF EX BR, STA NO - 632885	\$100,000.00
<b>Total for BRIDGE</b>						<b>\$1,249,055.55</b>

**GRAND TOTAL FOR JOB 632885- \$2,649,203.15****TOTALS FOR JOB 632885-**

ESTIMATED COST:	\$2,649,203.15
CONTINGENCY PERCENT (0.0):	0.00
ENGINEERING AND INSPECTION (0.0):	0.00
ESTIMATED TOTAL:	\$2,649,203.15

# Preliminary Right of Way Cost Estimate



**Phil Copeland**  
Right of Way Administrator  
By: LaShone Alexander

**Date:** June 16, 2010

**Project:** BRST-001-6(47) Catoosa

**P.L Number:** 632885

**Existing/Required R/W:** Varies/Varies

**No. Parcels:** 10

**Project Termini :** SR 3/US 41 1000 feet south of Tiger Creek to 1000 feet North of Tiger Creek

**Project Description:** Alignment Shift & Relocation of Bridge over Tiger Creek

**Land:**

Commercial R/W: 0.23 acres @ \$ 90,000.00/acre	\$ 20,700
Residential R/W: 0.62 acres @ \$ 16,000.00/acre	\$ 9,920
Agricultural R/W: 1.16 acres @ \$ 8,000.00/acre	\$ 9,280
	<u>\$ 39,900</u>

Improvements : misc. site improvements	\$ 245,000
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Relocation: Residential (0)	\$
Commercial (3)	\$ 75,000

Damage : Proximity (3) Parcels	\$ 26,800
Cost to Cure (2) Parcels	\$ 11,000
	<u>\$ 37,800</u>
Net Cost	\$ 397,700

Net Cost	\$ 397,700
Scheduling Contingency 55 %	218,735
Adm/Court Cost 60 %	<u>369,861</u>
	\$ 986,296

**Total Cost \$ 986,500**

Note: The Market Appreciation (40%) is not included in the updated Preliminary Cost Estimate.



# DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

## INTERDEPARTMENT CORRESPONDENCE

FILE BRST-001-6 (47) Catoosa  
Bridge Replacement on SR 3/US 41 over  
Tiger Creek  
P.I. No. 632885

OFFICE Cartersville  
DATE June 28, 2010

FROM Kerry D. Bonner *KDB/RET*  
District Utilities Engineer

TO Bobby Hilliard, State Program Delivery Engineer  
ATTN Krystal Stovall-Dixon

SUBJECT PRELIMINARY UTILITY COST ESTIMATE

As requested by your office, we are furnishing you with a Preliminary Utility Cost estimates for each utility with facilities potentially located within the project limits.

FACILITY OWNER	NON-REIMBURSABLE	REIMBURSABLE
Atlanta Gas Light Co.	\$198,000.00	
Ga. Power Co. Dist.		\$228,000.00
Charter Comm.	\$25,850.00	
North Ga. EMC	\$9,800.00	\$87,200.00
Dalton Utilities (Trans.)		\$357,500.00
Ringgold Telephone	\$110,000.00	
Dalton Utilities	\$99,000.00	
Totals	\$442,650.00	\$672,700.00

Total Preliminary Utility Cost Estimate \$1,115,350.00

If you have any questions, please contact Royce Turner at 770-387-3615.

KDB/RET/rt

C: Jeff Baker, P. E., State Utilities Engineer  
Angela Robinson, Office of Financial Management  
Devon Woodworth, Area Engineer  
File/Estimating Book



# NOTICE OF LOCATION AND DESIGN APPROVAL

**Project Number BRST0-0001-06 (047), Catoosa County**  
**P.I. Number 632885**

Notice is hereby given in compliance with Georgia code 22-2-109 and 32-3-5 that the Georgia Department of Transportation has approved the Location and Design of this project.

The date of location approval is Feb 1, 2011

This project is located in Catoosa County in the 9<sup>th</sup> U.S. Congressional District, in Land Lots 194, 202 and 203 of the 4<sup>th</sup> Land District of Catoosa County.

The proposed bridge replacement on SR 3/US 41 over Tiger Creek would have a total length of approximately 2700 linear feet with the existing bridge located near the center of the project. SR 3/US 41 is currently signed at 55 mph. The existing bridge has a length of 194'. The replacement bridge would have an approximate length of 250'. The alignment would shift to the west to maintain the minimum radius for a 55 mph design speed.

Drawings or maps or plats of the proposed project, as approved, are on file and are available for public inspection at the Georgia Department of Transportation:

Devon Brooks, Area Engineer  
[dbrooks@dot.ga.gov](mailto:dbrooks@dot.ga.gov)  
313 North Tibbs Road  
Dalton, GA 30720  
Telephone: 706.272.2211

Any interested party may obtain a copy of the drawings or maps or plats or portions thereof by paying a nominal fee and requesting in writing to:

Bobby K. Hilliard, PE, State Program Delivery Engineer  
Office of Program Delivery  
[bhilliard@dot.ga.gov](mailto:bhilliard@dot.ga.gov)  
600 West Peachtree Street  
25<sup>th</sup> Floor  
Atlanta, GA 30308  
Telephone: 404.631.1122

Any written request or communication in reference to this project or notice SHOULD include the Project and P.I. Numbers as noted at the top of this notice.